



### H3N2 VARIANT CASE (H3N2V) IN MICHIGAN

Michigan reported a human infection with influenza A(H3N2) variant (H3N2v) virus in CDC's [week 34 FluView](#) report. The case was hospitalized in June 2015 as a result of their illness but has fully recovered. The case also reported close contact with swine in the week prior to illness onset. No human-to-human transmission was identified.

Michigan's H3N2v case is the [second case](#) nationally in 2015. Minnesota reported an H3N2v case in July.

For more information on variant influenza viruses, see CDC's [website](#).

### AVIAN INFLUENZA NEWS IN NORTH AMERICA

- Any reports of sick or dead birds should be forwarded immediately to the proper agency:
  - For domestic poultry, contact MDARD:
    - M-F 8AM-5PM, 1-800-292-3939
    - After hours/weekends, 517-373-0440
  - For wildlife (die-off of waterfowl, gulls, or shorebirds), contact DNR:
    - M-F 8AM-5PM, 517-336-5030
    - After hours/weekends, 1-800-292-7800

### AVIAN INFLUENZA A(H5N1), A(H7N9) NEWS

- Emerging Infectious Diseases*: [Effect of live poultry market closure on avian influenza A\(H7N9\) virus activity in Guangzhou, China, 2014](#)
  - Findings indicate market closure and disinfection rapidly reduce amount of viable virus
- [Ivory Coast and Nigeria report more H5N1 in poultry](#)
- [Vietnam reports H5N1 outbreak in 1,000-bird village flock](#)

### FLU WEBSITES

[www.michigan.gov/flu](http://www.michigan.gov/flu)

[www.cdc.gov/flu](http://www.cdc.gov/flu)

[www.flu.gov](http://www.flu.gov)

<http://vaccine.healthmap.org/>

Archived editions of FluBytes are available [here](#) and MI FluFocus archives are [here](#).

### INFLUENZA-RELATED JOURNAL ARTICLES

- Clinical Infectious Diseases*: [Impact of prompt influenza antiviral treatment on extended care needs after influenza hospitalization among community-dwelling older adults](#)
  - Prompt antiviral treatment decreased impact of flu on adults 65 and older through shorter hospitalization, reduced extended care needs
- Journal of Infectious Diseases*: [Serum samples from middle-aged adults vaccinated annually with seasonal flu vaccines cross-neutralize some potential pandemic flu viruses](#)
  - Found serum neutralization titers in 100% of subjects against A/H2N2
- [Cost-effectiveness of high-dose versus standard-dose inactivated influenza vaccine in adults aged 65 years and older: an economic evaluation of data from a randomized controlled trial](#)
- Heart*: [Acute myocardial infarction and influenza: a meta-analysis of case-control studies](#)
  - Found significant association between recent respiratory infection and acute MI
  - Estimated flu vaccine effectiveness against acute MI was 29%
- [Ability of physicians to diagnose influenza and usefulness of a rapid flu antigen test in febrile returning travelers: a randomized controlled trial](#)
  - Flu was frequent cause of fever among febrile returning travelers
- [High titer neutralizing antibodies to influenza after oral tablet immunization: a phase 1, randomized, placebo-controlled trial](#)
- [Viral dominance of reassortants between canine influenza H3N2 and pandemic \(2009\) H1N1 viruses from a naturally co-infected dog](#)

### OTHER INFLUENZA-RELATED NEWS

- [Hope set to defend title in state flu vaccination competition](#)
- [UNC, Duke researchers team up to study how the flu spreads](#)
- Pediatrics*: Policy statement from the American Academy of Pediatrics, [Influenza immunization for all health care personnel – keep it mandatory](#)
- [Choctaw Nation and State of Oklahoma supply flu vaccines](#)
- [Kiwi horses blamed for equine flu outbreak in Malaysia](#)